

(5) A statement of work that discusses the specific tasks to be carried out, including a schedule of measurable events and milestones.

(6) A Standard Form 424, 424A (Rev 4-92) prescribed by the applicable OMB circular and Form CD-511, Certification Regarding Debarment, Suspension and Other Responsibility Matters; Drug-Free Workplace Requirements and Lobbying. SF-424, 424A (Rev 4-92) and Form CD-511 will not be considered part of the page count of the Basic Proposal.

(7) The application requirements and the standard form requirements have been approved by OMB (OMB Control Number 0693-0010, 0348-0043 and 0348-0044).

(g) *Applicable federal and departmental guidance.* This includes: Administrative Requirements, Cost Principles, and Audits. [Dependent upon type of Recipient organization: nonprofit, for-profit, state/local government, or educational institution]

(1) *Nonprofit organizations.*

(i) OMB Circular A-110—Uniform Administrative Requirements of Grants and Agreements with Institutions of Higher Education, Hospitals, and Other Nonprofit Organizations.

(ii) OMB Circular A-122—Cost Principles for Nonprofit Organizations.

(iii) 15 CFR part 29b—Audit Requirements for Institutions of Higher Education and Other Nonprofit Organizations [implements OMB Circular A-133—Audits for Institutions of Higher Education and Other Nonprofit Organizations].

(2) *State/local governments.*

(i) 15 CFR part 24—Uniform Administrative Requirements for Grants and Cooperative Agreements to State and Local Governments.

(ii) OMB Circular A-87—Cost Principles for State and Local Governments.

(iii) 15 CFR part 29a—Audit Requirements for State and Local Governments [implements OMB Circular A-128—Audit of State and Local Governments].

(3) *Educational institutions.*

(i) OMB Circular A-110—Administrative Requirements for Grants and Agreements with Institutions of Higher

Education, Hospitals, and Other Nonprofit Organizations.

(ii) OMB Circular A-21—Cost Principles for Educational Institutions.

(iii) 15 CFR part 29b—Audit Requirements for Institutions of Higher Education and Other Nonprofit Organizations [implements OMB Circular A-133—Audits for Institutions of Higher Education and Other Nonprofit Organizations].

§ 291.2 Environmental integration projects.

(a) *Eligibility criteria.* Eligible applicants for these projects are manufacturing extension centers or state technology extension programs which at the time of solicitation have grants, cooperative agreements or contracts with the NIST Manufacturing Extension Partnership. Only one proposal per organization per solicitation is permitted in this category.

(b) *Project objective.* The purpose of these projects is to support the integration of environmentally-focused technical assistance, and especially pollution prevention assistance, for smaller manufacturers into the broader services provided by existing MEP manufacturing extension centers. Proposers are free to structure their project in whatever way will be most effective and efficient in increasing the ability of the center to deliver high quality environmental and pollution prevention technical assistance (either directly or in partnership with other organizations). Following are some examples of purposes for which these funds could be used. This list is by no means meant to be all inclusive. A center might propose a set of actions encompassing several of these examples as well as others.

(1) *Environmental needs assessment.* Detailed assessment of the environmentally-related technical assistance needs of manufacturers within the state or region of the manufacturing extension center. This would be done as part of a broader plan to incorporate environmentally related services into the services of the manufacturing extension center. The center might propose to document its process and findings so that other centers may learn from its work.

(2) *Partnership with another organization.* The center might propose to partner with an existing organization which is providing environmentally-focused technical assistance to manufacturers. The partnership would lead to greater integration of service delivery through joint technical assistance projects and joint training.

(3) *Accessing private-sector environmental resources.* The center might propose to increase its ability to access environmental technical services for smaller manufacturers from environmental consultants or environmental firms.

(4) *Training of field engineers/agents in environmental topics.* Funding for training which empowers the field engineer/agent with the knowledge needed to recognize potential environmental, and especially pollution prevention, problems and opportunities. In addition, training might be funded which empowers the field engineer/agent with the knowledge needed to make appropriate recommendations for solutions or appropriate referrals to other sources of information or expertise. The over-arching goal is for the field engineer/agent to enable the manufacturer to be both environmentally clean and competitive.

(5) *Access to environmentally related information or expertise.* A center might propose to fund access to databases or other sources of environmentally-related information or expertise which might be necessary to augment the environmentally focused activities of the manufacturing extension center.

(6) *Addition of environmentally focused staff.* It may be necessary for manufacturing extension centers to have an environmental program manager or lead field engineer/agent with environmental training and experience. Funds could be requested to hire this person. However, the proposer would have to demonstrate a clear and reasonable plan for providing for the support of this person after the funds provided under this project are exhausted since no commitment is being made to on-going funding.

(c) *Award period.* Projects initiated under this category may be carried out over multiple years. The proposer should include optional second and

third years in their proposal. Proposals selected for award may receive one, two or three years of funding from currently available funds at the discretion of DOC. If an application is selected for funding, DOC has no obligation to provide any additional future funding in connection with that award. A separate cooperative agreement will be written with winning applicants. Renewal of an award to increase funding or extend the period of performance is at the total discretion of DOC. It is anticipated that successful projects will be given the opportunity to roll the funding for these efforts into the base funding for the extension center. Such a roll-over will be based on a performance review and the availability of funds.

(d) *Matching requirements.* No matching funds are required for these proposals. However, the presence of matching funds (cash and in-kind) will be considered in the evaluation under the Financial Plan criteria.

(e) *Environmental integration projects evaluation criteria.* In most solicitations, preference will be given to projects which are focused on a single industry sector. This is desired to build on the expertise and resources which are being built in tools and resources projects in these industry sectors. Industry focus will be specified in the solicitation announcement. However, actual services need not be limited exclusively to this sector. In addition preference may be given to extension centers which do not have extensive environmentally-related services already in place. In addition to these preferences, the criteria for selection of awards will be as follows in descending order of importance:

(1) *Demonstrated commitment to incorporating environmentally related services.* The extension center must demonstrate its commitment to incorporate environmentally-related technical services into its overall manufacturing extension services even after funding for this project is exhausted. It is not the objective of this effort to establish completely autonomous environmentally focused extension centers. Rather, the goal is to ensure that such services are integrated directly with

general manufacturing extension services focused on competitiveness. The center must demonstrate that such integration will take place. Factors that may be considered include: The amount of matching funds devoted to the efforts proposed as demonstration of the center's commitment to the activity; indication that environmental services are a significant aspect of the organization's long range planning; strength of commitment and plans for continuing service beyond funding which might be awarded through this project; the degree to which environmental services will become an integral part of each field engineers' portfolio of services; the level of current or planned education and training of staff on relevant environmental issues; and the extent of environmentally related information and expert resources which will be easily accessible by field engineers.

(2) *Demonstrated understanding of the environmentally related technical assistance needs of manufacturers in the target population.* Target population must be clearly defined. The manufacturing center must demonstrate that it understands the populations environmentally related needs or include a coherent methodology for identifying those needs. The proposal should show that the efforts being proposed will enable the center to better meet those needs. Factors that may be considered include: A clear definition of the target population, its size and demographic characteristics; demonstrated understanding of the target population's environmental technical assistance needs or a plan to develop this understanding; and appropriateness of the size of the target population and the anticipated impact for the proposed expenditure.

(3) *Coordination with other relevant organizations.* Wherever possible the project should be coordinated with and leverage other organizations which are providing high quality environmentally-related services to manufacturers in the same target population or which have relevant resources which can be of assistance in the proposed effort. If no such organizations exist, the proposal should build the case that there are no such organizations. Applicants will need to describe how they

will coordinate to allow for increased economies of scale and to avoid duplication of services in providing assistance to small and medium-sized manufacturers. Factors that may be considered include: Demonstrated understanding of existing organizations and resources relevant for providing technology assistance related services to the target population; adequate linkages and partnerships with existing organizations and clear definition of those organizations' roles in the proposed activities; and that the proposed activity does not duplicate existing services or resources.

(4) *Program evaluation:* The applicant should specify plans for evaluation of the effectiveness of the proposed program and for ensuring continuous improvement of program activities. Factors that may be considered include: Thoroughness of evaluation plans, including internal evaluation for management control, external evaluation for assessing outcomes of the activity, and "customer satisfaction" measures of performance.

(5) *Management experience and plans.* Applicants should specify plans for proper organization, staffing, and management of the implementation process. Factors that may be considered include: Appropriateness and authority of the governing or managing organization to conduct the proposed activities; qualifications of the project team and its leadership to conduct the proposed activity; soundness of any staffing plans, including recruitment, selection, training, and continuing professional development; appropriateness of the organizational approach for carrying out the proposed activity; evidence of involvement and support by private industry.

(6) *Financial plan:* Applicants should show the relevance and cost effectiveness of the financial plan for meeting the objectives of the project; the firmness and level of the applicant's total financial support for the project; and a plan to maintain the program after the cooperative agreement has expired. Factors that may be considered include: Reasonableness of the budget both in income and expenses; strength of commitment and amount of the proposer's cost share, if any; effectiveness

of management plans for control of budget; appropriateness of matching contributions; and plans for maintaining the program after the cooperative agreement has expired.

§ 291.3 Environmental tools and techniques projects.

(a) *Eligibility criteria.* Eligible applicants for these projects include all non-profit organizations including universities, community colleges, state governments, state technology programs and independent nonprofit organizations. Organizations may submit multiple proposals under this category in each solicitation for unique projects.

(b) *Project objective.* The purpose of these projects is to support the initial development and implementation of tools or techniques which will aide manufacturing extension organizations in providing environmentally-related services to smaller manufacturers and which may also be of direct use by the smaller manufacturers themselves. Specific industry sectors to be addressed and sub-categories of tools and techniques may be specified in solicitations. These sectors or sub-categories will be specified in the solicitation announcement. Examples of tools and techniques include, but are not limited to, manufacturing assessment tools, environmental benchmarking tools, training delivery programs, electronically accessible environmental information resources, environmental demonstration facilities, software tools, etc. Projects must be completed within the scope of the effort proposed and should not require on-going federal support.

(c) *Award period.* Projects initiated under this category may be carried out over up to three years. Proposals selected for award will receive all funding from currently available funds. If an application is selected for funding, DOC has no obligation to provide any additional future funding in connection with that award. Renewal of an award to increase funding or extend the period of performance is at the total discretion of DOC.

(d) *Matching requirements.* No matching funds are required for these proposals. However, the presence of matching funds (cash and in-kind) will be consid-

ered in the evaluation under the Financial Plan criteria.

(e) *Environmental tools and techniques projects evaluation criteria.* Proposals from applicants will be evaluated and rated on the basis of the following criteria listed in descending order of importance:

(1) *Demonstrated understanding of the environmentally-related technical assistance needs of manufacturers and technical assistance providers in the target population.* Target population must be clearly defined. The proposal must demonstrate that it understands the population's environmentally related tool or technique needs. The proposal should show that the efforts being proposed meet the needs identified. Factors that may be considered include: A clear definition of the target population, size and demographic distribution; demonstrated understanding of the target population's environmental tools or techniques needs; and appropriateness of the size of the target population and the anticipated impact for the proposed expenditure.

(2) *Technology and information sources.* The proposal must delineate the sources of technology and/or information which will be used to create the tool or resource. Sources may include those internal to the center (including staff expertise) or from other organizations. Factors that may be considered include: Strength of core competency in the proposed area of activity; and demonstrated access to relevant technical or information sources external to the organization.

(3) *Degree of integration with the manufacturing extension partnership.* The proposal must demonstrate that the tool or resource will be integrated into and will be of service to the NIST Manufacturing Extension Centers. Factors that may be considered include: Ability to access the tool or resource especially for MEP extension centers; methodology for disseminating or promoting use of the tool or technique especially within the MEP system; and demonstrated interest in using the tool or technique especially by MEP extension centers.

(4) *Coordination with other relevant organizations.* Wherever possible the project should be coordinated with and